

IN THE CLAIMS

1. (Currently Amended) An automatic chemical analyzer capable of determining plural components of a sample by using independent reagents for the respective components, in which said analyzer is provided with a mechanism for pipetting plural kinds of reagents with a same reagent pipetting probe and a means for washing at least the reagent pipetting probe, and in order to prevent occurrence of errors of determination due to cross-contamination occurring among the reagents, the analyzer is provided with a function to set determination conditions for judging the presence or absence of the cross-contamination occurring among the reagents and to make automatic judgment of the combination of items involving the cross-contamination,

wherein in order to prevent the occurrence of errors of determination due to generation of new contamination by variation of the state of the apparatus including the state of the washing means, the analyzer makes judgment on the presence or absence of the cross-contamination for combinations of the reagents, memorizes the judgment result in relation to the reagent combinations, compares result with those of the

previous judgments; and when these results differ more than a certain degree, judges that the state of the apparatus including the state of the washing means has changed, and indicates it to the user.

2. (Currently Amended) An automatic chemical analyzer capable of determining plural components of a sample by using independent reagents for the respective components, in which said analyzer is provided with a mechanism for pipetting plural kinds of reagents with a same reagent pipetting probe and means for washing at least the reagent pipetting probe, and in order to prevent the occurrence of errors of determination due to cross-contamination occurring among the reagents, the analyzer is provided with a function to set determination conditions for judging the presence or absence of the cross-contamination occurring among the reagents and to make automatic judgment of the combination of items involving the cross-contamination,

wherein in order to prevent the occurrence of errors of determination due to generation of new contamination by variation of the state of the apparatus including the state of the washing means, the analyzer makes judgment on the presence

or absence of the cross-contamination, memorizes its result, conducts judgment on the presence or absence of the cross-contamination in parallel with the determination of the sample, compares the result with those of the previous judgments, and when these results differ more than a certain degree, judges that the state of the apparatus including the state of the washing means has changed, and indicates it to the user.

3. (Currently Amended) A recording medium for recording operation of an automatic chemical analyzer capable of determining plural components of a sample by using independent reagents for the respective components, in which said analyzer is provided with a mechanism for pipetting plural kinds of reagents with a same reagent pipetting probe and a means for washing at least the reagent pipetting probe, and in order to prevent occurrence of errors of determination due to cross-contamination occurring among the reagents, the analyzer is provided with a function to set determination conditions for judging the presence or absence of the cross-contamination occurring among the reagents and to make automatic judgment of the combination of items involving the cross-contamination,

wherein in order to prevent the occurrence of errors of determination due to generation of new contamination by variation of the state of the apparatus including the state of the washing means, there is installed an operation program according to which the analyzer makes judgment on the presence or absence of the cross-contamination, memorizes its result, compares the result with those of the previous judgment, and when the results differ more than a certain degree, judges that the state of the apparatus including the state of the washing means has changed, and indicates it to the user.

4. (Currently Amended) An automatic chemical analyzer according to claim 1, which is provided with a function to input items for the judgment on the presence or absence of the cross-contamination or the certain degree occurring among the reagents as a criteria for the judgment on the presence or absence of the cross-contamination occurring among the reagents.

5. (Currently Amended) An automatic chemical analyzer according to claim 1, which is provided with a function to register in advance items for the judgment on the presence or

absence of the cross-contamination or the certain degree as a criteria for the judgment on the presence or absence of the cross-contamination occurring among the reagents and to judge the presence or absence of the cross-contamination occurring among the reagents on the reagent combination that has been registered in advance in parallel with the determination of the sample.

6. (Currently Amended) An automatic chemical analyzer according to claim 1, which is provided with a function to register an interval for measurements in advance and judge the presence or absence of the cross-contamination occurring among the reagents at the registered interval in parallel with the determination of the sample.

7. (Currently Amended) An automatic chemical analyzer according to claim 1, which is provided with a function to register, in a processor, a measurement item(s) using a reagent(s) giving an influence, a measurement item(s) using a reagent(s) receiving the influence and the used amount of the reagent(s) giving the influence when said analyzer recognizes the presence of the cross-contamination occurring among the

reagents.

8. (Currently Amended) An automatic chemical analyzer according to claim 1, which is provided with a function to make a registration in a processor so that when said analyzer recognizes the presence of the cross-contamination occurring among the reagents with a combination of reagents, a process for preventing the cross-contamination occurring among the reagents that has been registered in advance in a processor is carried out in case of conducting an analysis with the combination of the reagents in the future.

9. (Currently Amended) An automatic chemical analyzer according to claim 2, which is provided with a function to input items for the judgment on the presence or absence of the cross-contamination or the certain degree occurring among the reagents as a criteria for the judgment on the presence or absence of the cross-contamination occurring among the reagents.

10. (Currently Amended) An automatic chemical analyzer according to claim 2, which is provided with a function to

register in advance items for the judgment on the presence or absence of the cross-contamination or the certain degree occurring among the reagents as a criteria for the judgment on the presence or absence of the cross-contamination occurring among the reagents and to judge the presence or absence of the cross-contamination on the reagent combination that has been registered in advance in parallel with the determination of the sample.

11. (Currently Amended) An automatic chemical analyzer according to claim 2, which is provided with a function to register an interval for measurements in advance and judge the presence or absence of the cross-contamination occurring among the reagents at the registered interval in parallel with the determination of the sample.

12. (Currently Amended) An automatic chemical analyzer according to claim 2, which is provided with a function to register, in a processor, a measurement item(s) using a reagent(s) giving an influence, a measurement item(s) using a reagent(s) receiving the influence and the used amount of the reagent(s) giving the influence when said analyzer recognizes

the presence of the cross-contamination occurring among the reagents.

13. (Currently Amended) An automatic chemical analyzer according to claim 2, which is provided with a function to make a registration in a processor so that when said analyzer recognizes the presence of the cross-contamination occurring among the reagents with a combination of reagents, a process for preventing the cross-contamination occurring among the reagents that has been registered in advance in a processor is carried out in case of conducting an analysis with the combination of the reagents in the future.